Bruhath Bangalore Mahanagara Palike
Dasarahalli Zone

Name of Work : Improvements to roads and drains at Kammagondanahally colony and Jarkebandekaval slum balance roads in ward No 12 shettyhalli, in Shettyhalli Sub Division.

Job No : 012-18-000051 — *Est .Cost Rs. 50.00 Lakhs*

Sl No	Description of Items	Unit	No	L	B	D	Qty	Rate	Amount
1	KSRRB 300-3. Earthwork excavation by manual means in ordinary soil invoiving in average horizontal throw up to 2m & an average lift upto 1.5m , excavated surface leveled & sides neatly dressed , the disposed earth to be levelled neatly after breaking of clods complete as per specification MORTH/ Chapter 3. **P. No. 142/ It No. 19.1/ PWD SR 2016-17**								
	Jarkebandekaval slum bala	cum							
a	10th cross road		1	70.00	2.00	0.20	28.00		
	cross road R/s		1	30.00	2.00	0.20	12.00		
	cross roads l/s		2	30.00	2.30	0.20	27.60		
b	11th cross road		1	75.00	2.00	0.20	30.00		
	cross road R/s		1	30.00	2.00	0.20	12.00		
	cross roads l/s		1	40.00	2.50	0.20	20.00		
b	12 th cross road		1	50.00	1.50	0.20	15.00		
	cross road R/s		1	30.00	2.00	0.20	12.00		
	cross roads l/s		2	20.00	2.00	0.20	16.00		
d	cross roads surrounding maramma temple		15	30.00	2.20	0.20	198.00		
	Kammagondanahally slum								
	cross roads		2	30.00	3.00	0.20	36.00		
			1	40.00	4.00	0.15	24.00		
	For Drain								
	Kammagondanahally colony 5th cross		2	25.00	1.20	1.00	60.00		
	7th cross		1	25.00	1.20	1.00	30.00		
							520.60	175.96	**91605.00**
	Basic rate	**82.00**							
	Add laoding and unloading	68.00							
	lead for 5 kms=5*1.28*2.5	16.00							
	Total	**166.00**							
	Add AW 6%	9.96							
		175.96							

	KSRB 4-1.3 : **Providing and laying in position plain cement concrete of mix 1:4:8** with OPC cement @ 180kgs, with 40mm and down size graded granite metal coarse aggregates @0.85cum and fine aggregates @ 0.57cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.3 **Page No.12/ Item No. 4.3/ PWD SR 2016-17**								
	Jarkebandekaval slum bala	cum							
a	**10th cross road**		1	70.00	2.00	0.15	21.00		
	cross road R/s		1	30.00	2.00	0.15	9.00		
	cross roads l/s		2	30.00	2.30	0.15	20.70		
b	**11th cross road**		1	75.00	2.00	0.15	22.50		
	cross road R/s		1	30.00	2.00	0.15	9.00		
	cross roads l/s		1	40.00	2.50	0.15	15.00		
b	**12 th cross road**		1	50.00	2.00	0.15	15.00		
	cross road R/s		1	30.00	2.00	0.15	9.00		
	cross roads l/s		2	20.00	2.00	0.15	12.00		
d	cross roads surrounding maramma temple		~~15~~	30.00	2.20	0.15	148.50		
	Kammagondanahally slum								
	cross roads		2	30.00	3.00	0.15	27.00		
			1	40.00	4.00	0.15	24.00		
	For Drain								
	Kammagondanahally colony 5th cross		2	25.00	1.20	0.15	9.00		
	7th cross		1	25.00	1.20	0.15	4.50		
							346.20	5159.02	**1786053.00**
	Basic Rate	4867.00							
	Add A.W 6%	292.02							
	Total	**5159.02**							
3	KSRB 4.2.2 : **Providing and laying in position reinforced cement concrete of design mix M20** with OPC cement @ 320kgs, with with 20mm and down size graded granite metal, coarse aggregate @ 0.69 cum and fine aggregates @ .460cum, with super plasticisers @ 3 liters confirming to is 9103-1999 reafairmed -2008, machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works in foundation for footings,pedastals,retaining walls, staircase, retaining walls, return walls, walls (any thickness) including attached plasters, columns, piers, abutments, pillars, posts, struts, buttresses, string or lacing courses, parapets, bed blocks, anchor blocks, plain window cills, fillets etc., including cost of all materials, labour, HOM of machinery, curing, complete as per specifications. Specification No. KBS 4.1, 4.5 **,P.13/I.4.11/ PWD SR 2016-17**								
a	drain bottom	Cum							

Kammagondanahally colony 5th cross		2	25.00	1.10	0.15	8.25		
7th cross		1	25.00	1.10	0.15	4.13		
for drain side wall		4	25.00	0.15	0.60	9.00		
		2	25.00	0.15	0.60	4.50		
						25.88	6371.66	**164867.00**
Basic Rate	6011.00							
Add A.W 6%	360.66							
Total	**6371.66**							
KSRB 4-6.4 : **Providing and removing centering, shuttering**, strutting,. propping etc., and removal of form work for vertical surface such as walls at any thickness, including attached1 pilasters, buttresses, plinth cilis and string courses cost of all materials, labour complete as per specifications. Specification No. KBS 4.6.2 **Page No.15/ Item No. 4.31/ PWD SR 2016-17**								
	sqm	2x3	25.00		0.6	90.00		
		1x3	**25.00**		0.6	45.00		
						135.00	310.58	41928.00
Basic Rate	293.00							
Add A.W 6%	17.58							
Total	**310.58**							
KSRB 4.9.2: **Providing T.M.T steel reinforcement for R.C.C work** including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications.Specification No. KBS 4.6.3, TMT bar**s Fe 500**. **Page No. 17 / Item No. 4.46.2 / PWD SR 2016-17**								
For drain	Tonnes		25.88	x	65kgs	1681.88		
						1681.88		
					say	**1.68**	64243.42	**108049.00**
Basic Rate	60607.00							
Add A.W 6%	3636.42							
Total	**64243.42**							
Providing & laying reinforeced cement precast slabs of mix CC 1:11/2:3 using 20mm & down size graded Granite metal using HYSD 10mm dia steel @ 100mm c/c both ways & Complete as per specfications.								
water tank road	sqm	2	25.00	0.90		45.00		
		1	25.00	0.90		22.50		
missing slabs		2	20.00	0.90		36.00		
Approved Rate						**103.50**	**1680.00**	**173880.00**

7	**Cement concrete pavement.Construction of un-reinforced plain cement concrete pavement**, thickness as per design, over a prepared sub base with OPC cement or any other type as per clause 1051.2.2 design mix M20/M30 , with 25mm and down size graded granite metal coarse aggregates and fine aggregtes , with superplastisiser @3lts confirming to IS9103-1999 Reaffirmed-2008 , mixed in a concrete mixer of not less than 0.6 cum capacity and appropriate weigh batcher as per approved mix design, laid in approved fixed side form work (steel channel, laying and fixing of 125 micron thick polythene film, wedges, steel plates including levelling the form work as per drawing). Spreading the concrete with shovels, rackers compacted using needle, screed and plate vibrator and finished in a continuous operation including provision of contraction, expansion, construction and longitudinal joints including groove cutting charges, joint filler, separation membrane, selant primer, joint sealant, admixtures as approved, curing compound, finishing to lines and grades as per drawing complete as per specifications. **- M20 (at 300Kg per cum coarse aggregate @ 0.64cum and fine aggregate @ 0.43cum) PWD SR 2016-17 P 176 It No 22.6.2**								
	Jarkebandekaval slum balance roads	cum							
	10th cross road		1	70.00	4.00	0.15	42.00		
	cross road R/s		1	30.00	2.00	0.15	9.00		
	cross roads l/s		2	30.00	2.30	0.15	20.70		
	11th cross road		1	75.00	4.00	0.15	45.00		
	cross road R/s		1	30.00	2.00	0.15	9.00		
	cross roads l/s		1	40.00	2.50	0.15	15.00		
	12 th cross road		1	50.00	4.00	0.15	30.00		
	cross road R/s		1	30.00	2.00	0.15	9.00		
	cross roads l/s		2	20.00	2.00	0.15	12.00		
	cross roads surrounding		15	30.00	2.20	0.15	148.50		
	Kammagondanahally slum								
	cross roads		2	30.00	3.00	0.15	27.00		
			1	40.00	4.00	0.13	20.80		
							388.00	5508.82	**2137422.0**
	Basic Rate	5197.00							
	Add A.W 6%	311.82							
	Total	**5508.82**							

								4504256.43
								495418.00
8	Add.KRIDL Charges 11 %							495468.21
								778.00
9	Miscellaneous and unforeseen charges							275.36
							Total	5000000.00
(Rupees fifty lakhs only)								

CERTIFICATE

1 The Work spot has been inspected and the work found to be necessary
2 The Estimate is prepared as per the PWD SR 2016-17
3 The Provision made in estimate are adequate and essential
4 This area comes under BBMP limits.

Asst Engineer
Ward No-12

Asst Executive Engineer
Shettyhalli Sub-Division
BBMP

Executive Engineer
Dasarahalli Zone
BBMP

ದಿನಾಂಕ : 19.03.2018
ಸಂ. No-BE/DD/AS/904/2017-18
Rs 50.00 Lakh
Rupees fifty Lakhs only
ಅಂದಾಜು ಪಟ್ಟಿಗೆ ಆಡಳಿತಾತ್ಮಕ ಮಂಜೂರಾತಿ ನೀಡಿದೆ
P-1878
ಕಾರ್ಯಪಾಲಕ ಅಧಿಯಂತರರು
ಬಿ.ಬಿ.ಎಂ.ಪ.ದಾಸರಹಳ್ಳಿ ವಿಭಾಗ
ದಾಸರಹಳ್ಳಿ ವಲಯ, ಬೆಂಗಳೂರು.

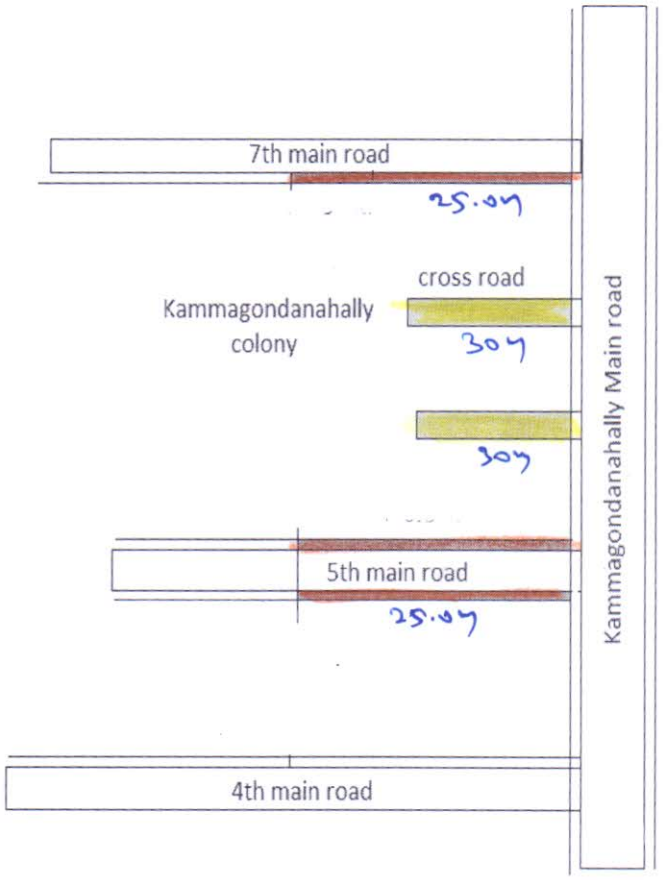
ನಂ. CO/DZ/PR/496/17-18 ದಿನಾಂಕ : 21/05/2018
ರೂ. Rs. 50.00 lakh only/-
ಗಳ ಅಂದಾಜು ಪಟ್ಟಿಗೆ ತಾಂತ್ರಿಕ ಮಂಜೂರಾ
ತಾಂತ್ರಿಕ ಸಹಾಯಕರು
ಮುಖ್ಯ ಅ
ಬಿ.ಬಿ.ಎಂ.ಪ
ದಾಸರಹಳ್ಳಿ ವಲಯ.

9845538678

Jarakebandekaval slum Balance rods in ward no 12 Shettyhalli,
in Shettyhalli sub Division

Est Cost : Rs.50.00 Lakhs **P-code P-1878** **Job Code: 012-18-000051**

Kammagondanahally colony



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Concrete roads

RCC drain

Assistant Engineer
Ward No 12

Assistant Executive Engineer
Shettyhalli Sub Division, BBMP

9845538670